

CLAIMS

What is claimed is:

1. A web trading method for lowering stocking costs for a purchaser to conduct trades of required materials with a materials supplier through a web trading system, which
5 comprises the steps of:

generating forecast information containing materials forecast demands, which are computed according to product order information and current inventory information in a particular period of time and include forecasted material items, quantities and a demand timetable;

10 sending a forecast order that contains the forecast information to the materials supplier through the Internet for the materials supplier to temporarily store the materials in a materials supplier's storage according to the forecast order;

15 generating real-time demand information, which includes information about materials that are requested by assembly lines of the purchaser right before productions and have been included in the materials forecast demands;

20 sending a real-time demand order containing the real-time demand information to the materials supplier;

generating a materials acceptance message, which, after the materials supplier ships the materials, indicates whether the shipped materials are in accordance with the materials requested in the real-time demand order and accepted; and

making a payment to the materials supplier through the web trading system after the materials acceptance message indicates that the received materials are in accordance with the materials requested in the real-time demand order and accepted.

2. The method of claim 1, wherein the forecast information is generated through MRP (Material Requirements Planning).

3. The method of claim 1 further comprising the step of sending the forecast order to the materials supplier by a postal order.

5 4. The method of claim 1, wherein the forecast order further contains a message asking the materials supplier to reply with a return receipt indicating that the materials supplier can provide the necessary materials supply and identity information of the materials supplier that replies the return receipt is recorded in the forecast order.

10 5. The method of claim 1, wherein the step of generating a materials acceptance message further comprises the step of updating inventory information to add the verified and accepted materials information into the inventory information.

6. The method of claim 5, wherein the accepted materials information added into the inventory information includes material items and quantities.

15 7. The method of claim 1, wherein the step of generating a materials acceptance message further comprises the step of updating the forecast information in the forecast order recorded by the purchaser to subtract off the accepted materials from the forecast information.

20 8. A web trading method for lowering stocking costs for a purchaser to conduct trades of required materials with a materials supplier group consisting of several materials suppliers through a web trading system, which comprises the steps of:

generating forecast information containing materials forecast demands, which are computed according to product order information and current inventory information in a particular period of time and include forecasted material items, quantities and a demand timetable;

25 posting a forecast order that contains the forecast information to the materials

supplier group through the Internet for the materials suppliers to temporarily store the materials in their materials supplier's storages according to the forecast order;

generating real-time demand information, which includes information about materials that are requested by assembly lines of the purchaser right before productions and have been included in the materials forecast demands;

posting a real-time demand order containing the real-time demand information to the materials supplier group;

generating a materials acceptance message, which, after the materials suppliers ship the materials, indicates whether the shipped materials are in accordance with the materials requested in the real-time demand order and accepted; and

making payments to the materials suppliers through the web trading system after the materials acceptance message indicates that the received materials are in accordance with the materials requested in the real-time demand order and accepted.

9. The method of claim 8, wherein the forecast information is generated through MRP (Material Requirements Planning).

10. The method of claim 8 further comprising the step of sending the forecast order to the materials suppliers by a postal order.

11. The method of claim 8, wherein the forecast order further contains a message asking the materials suppliers to reply with a return receipt indicating that the materials suppliers can provide the necessary materials supply and identity information of the materials suppliers that replies the return receipt is recorded in the forecast order.

12. The method of claim 8, wherein the step of generating a materials acceptance message further comprises the step of updating inventory information to add the verified and

accepted materials information into the inventory information.

13. The method of claim 12, wherein the accepted materials information added into the inventory information includes material items and quantities.

14. The method of claim 8, wherein the step of generating a materials acceptance
5 message further comprises the step of updating the forecast information in the forecast order
recorded by the purchaser to subtract off the accepted materials from the forecast
information.

SECRET